



- BRS:  
Pending  
Active
- EAST**
- L2: (66580) prepolymer
  - L9: (2) ("5091436").PN.
  - L10: (1) 12 and 19
  - L11: (2) ("20020132118").PN.
  - L12: (46) ("2956031") or ("3772224") or ("378745")
  - L13: (143) hydroxyl adj acrylate
  - L14: (919) hydroxy adj acrylate
  - L15: (5550) hydroxy adj2 acrylate
  - L16: (350004) polyurethane
  - L17: (469654) foam
  - L18: (101843) 116 and 117
  - L19: (387) 118 and 115
  - L20: (50) 118 and 114
  - L21: (0) 112 and 114
  - L22: (2) 115 and 112
  - L24: (17) 118 and 113
  - L23: (50) 118 and 114
  - L25: (27) 12 and 123
  - L26: (11) unsaturated adj esterol

and low molecular weight polyols by the addition of a butylene glycol or propylene glycol such as dibutylene glycol. U.S. Pat. No. 4,220,732 proposes to compatibilize the blend of polyol and glycol by utilizing as the glycol extender a combination of 1,4-butanediol and phenyldiethanolamine. U.S. Pat. No. 4,395,133 compatibilizes the polyol/glycol blend by employing as the polyol component a mixture of specific polyoxypropylene polyoxyethylene polyols of specific molecular weight and functionality. Other proposals involve the use of salts (potassium chloride or potassium acetate) or add a small amount of isocyanate for partial reaction and compatibilization of the blend.

(5) Despite such advances in the art, need for effectively stabilizing the polyol/glycol blend while improving the final urethane product still is a desire of the art.

#### (6) BROAD STATEMENT OF THE INVENTION

(7) The present invention is addressed to compatibilizing an incompatible blend of a long chain polyol, such as a long chain polyoxyalkylene polyol, and short chain diol, such as a glycol. Such method comprises incorporating into the blend a stabilizing amount of an esterol containing polymerizable ethylenic unsaturation. Desirably, the hydroxyl functionality and ethylenic unsaturation of the esterol both are pendant.

(8) Another aspect of the present invention is the resulting compatibilized

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	U	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P	
1	<input type="checkbox"/>	US 20020052425 A1	20020502	28	POLYURETHANE FOAM, PROCESS FOR PRODUCING THE SAME, AND	521/137	521/163; 521/172;		RAKU, MOTONAO et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	US 6455606 B1	20020924	28	Polyurethane foam, process for producing the same, and	521/170	521/137; 521/142;		Raku; Motonao et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	US 5384385 A	19950124		Two-component polyurethane reactive compositions	528/52	528/68; 528/76;		Trinks; Rainer et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	US 5349040 A	19940920		Two-component polyurethane adhesives	528/75	521/155; 521/163;		Trinks; Rainer et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	US 5338588 A	19940816		Method of making reinforced structural composite	428/36.3	156/245; 156/272.2;		Billiu; Charles R.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	US 5173142 A	19921222		Method of making reinforced structural composite	156/245	156/272.2; 156/273.3;		Billiu; Charles R.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	US 4826885 A	19890502	6	Compatible polyol blends for high modulus polyurethane	521/176	252/182.25; 252/182.27;		Tsai; Chung-Chieh	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	US 4673696 A	19870616	7	Thermoset molding compositions	521/172	252/182.18; 252/182.19;		Tsai; Chung-Chieh	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	JP 06145288 A	19940524	7	POLYOL ADDUCT FOR POLYURETHANE PRODUCTION				TSAI, CHUNG-CHIEH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	GB 2222169 A	19900228	22	Thermoset molding compositions				TSAI, CHUNG-CHIEH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	DE 3718935 C	19940331	7	Storage stable blends of long chain poly:ol and short				TSAI, C et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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